

In the Claims

The claims have been amended as follows:

1 Claim 1-7 (cancel)

1 Claim 8 (currently amended) A sheet comprising activated, carbonized
 2 fibrillated lyocell fibers and a microbiological interception enhancing agent~~on a~~
 3 ~~portion of selected ones of said carbonized fibrillated lyocell fibers, wherein prior~~
 4 to carbonization said ~~carbonized~~ fibrillated lyocell fibers ~~having~~ have a Canadian
 5 Standard Freeness of less than about 100 and a fiber diameter of less than or equal
 6 to about 400nm, said sheet carbonized at a temperature of less than about 600°C,
 7 said microbiological interception enhancing agent comprising a biologically active
 8 metal precipitated with a counter ion of a cationic material that is adsorbed on at
 9 least a portion of said fibers to form a metal colloidal precipitate complex on a
 10 portion of a surface of at least some of said activated, carbonized fibers.

1 Claim 9 (original) A sheet of claim 8 wherein said sheet is further heated
 2 to form an activated carbon sheet having a BET surface area of greater than about
 3 800 m²/g.

1 Claim 10 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers have a
 2 Canadian Standard Freeness of less than about 45 or a fiber diameter of less than
 3 about 250nm.

1 Claim 11 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers have
2 a Canadian Standard Freeness of less than about 0 or a fiber diameter of less than
3 about 250nm.

1 Claim 12 (cancel)

1 Claim 13 (cancel)

1 Claim 14 (withdrawn) A sheet of claim 8 further including active agents
2 captured therein.

1 Claim 15 (withdrawn) A sheet of claim 14 wherein the active agents comprise
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,
5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or
6 combinations thereof.

1 Claim 16 (cancel)

1 Claim 17 (withdrawn) A sheet of claim 8 wherein the fibrillated fibers are
2 admixed with active agents, and made into a paper prior to carbonization.

1 Claim 18 (withdrawn) A sheet of claim 8 wherein said sheet is used as an
2 electrode.

1 Claim 19 (withdrawn) A sheet of claim 8 further including a catalyst or a
2 catalyst support.

1 Claim 20 (original) A filter medium comprising the sheet of claim 8.

1 Claim 21 (currently amended) A sheet comprising activated, carbonized
2 fibrillated lyocell fibers and a microbiological interception enhancing agent
3 comprising a biologically active metal precipitated with a counter ion of a cationic
4 material on at least a portion of said fibers to form a metal colloidal complex on a
5 portion of a surface of at least some ~~on a portion of selected ones of said~~ activated,
6 carbonized fibrillated lyocell fibers, said fibrillated lyocell fibers having a BET
7 surface area of greater than about 800m²/g, wherein prior to carbonization and
8 activation, the fibrillated fibers have a Canadian Standard Freeness of less than about
9 100 or a fiber diameter of less than or equal to about 400nm and wherein activation
10 occurs in less than or equal to about 30 minutes at a temperature greater than about
11 875°C in an oxidizing atmosphere.

1 Claim 22 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers have a
2 Canadian Standard Freeness of less than about 45 or a fiber diameter of less than
3 about 250nm.

1 Claim 23 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers have a
2 Canadian Standard Freeness of less than about 0 or a fiber diameter of less than
3 about 250nm.

1 Claim 24 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers
2 comprise polymers, liquid crystal polymers, engineered resins, cellulose, rayon,
3 ramie, wool, silk, or combinations thereof.

1 Claim 25 (cancel)

1 Claim 26 (withdrawn) A sheet of claim 21 further including active agents
2 captured therein.

1 Claim 27 (withdrawn) A sheet of claim 26 wherein the active agents comprise
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,
5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or
6 combinations thereof.

1 Claim 28 (withdrawn) A sheet of claim 21 wherein the fibrillated fibers are
2 admixed with active agents, and made into a paper prior to carbonization and
3 activation.

1 Claim 29 (withdrawn) A sheet of claim 21 further including a catalyst or a
2 catalyst support.

1 Claim 30 (cancel)

1 Claim 31 (withdrawn) A filter medium comprising the sheet of claim 21.

1 Claim 32 (currently amended) A sheet comprising activated, carbonized
2 fibrillated fibers and a microbiological interception enhancing agent on a portion of
3 selected ones of said fibrillated fibers, said fibrillated fibers having a Canadian
4 Standard Freeness of less than about 45 or a fiber diameter of less than or equal to
5 about 250nm, and active agents captured within said carbon sheet, said active
6 agents present in an amount greater than about 10 weight percent of a total weight
7 of said sheet.

1 Claim 33 (withdrawn) A sheet of claim 32 wherein the active agents comprise
2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,
3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium
4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,

5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or
6 combinations thereof.

1 Claim 34 (withdrawn) A sheet of claim 32 wherein said active agents are
2 present in an amount of greater than 50 weight percent.

1 Claim 35 (withdrawn) A sheet of claim 32 wherein said active agents have a
2 particle size of less than about 50 μm and are present in an amount of greater than
3 97 weight percent.

1 Claim 36 (withdrawn) A sheet of claim 32 wherein said sheet is used as an
2 electrode.

1 Claim 37 (withdrawn) A sheet of claim 32 further including a catalyst or a
2 catalyst support incorporated therein.

1 Claim 38 (cancel)

1 Claim 39 (withdrawn) A filter medium comprising the sheet of claim 32.

1 Claim 40 (withdrawn) A sheet comprising activated, carbonized fibrillated
2 fibers and a microbiological interception enhancing agent on a portion of selected
3 ones of said fibrillated fibers, wherein the fibrillated fibers have a Canadian Standard

4 Freeness of less than about 45, a diameter of less than or equal to about 250nm, and
 5 active agents captured therein, wherein the active agents are present in an amount
 6 greater than about 10 weight percent of a total weight of said sheet.

1 Claim 41 (withdrawn) A sheet of claim 40 wherein the active agents comprise
 2 metals, metal salts, metal oxides, glass, alumina, carbon, activated carbon, silicates,
 3 ceramics, zeolites, diatomaceous earth, activated bauxite, fuller's earth, calcium
 4 sulfate, titanium dioxide, magnesium hydroxide, manganese oxides, magnesia,
 5 perlite, talc, clay, bone char, pitch, calcium hydroxide, calcium salts, or
 6 combinations thereof.

1 Claim 42 (withdrawn) A sheet of claim 40 further including a catalyst or a
 2 catalyst support.

1 Claim 43 (cancel)

1 Claim 44 (withdrawn) A filter medium comprising the sheet of claim 40.

1 Claims 45-84 (cancel)

2 Claim 85 (currently amended) A sheet comprising activated, carbonized
 3 fibrillated fibers having a microbiological interception enhancing agent on at least a
 4 portion of at least some ~~selected ones~~ of said fibrillated fibers, said microbiological

5 interception enhancing agent comprising a biologically active metal precipitated
6 with a counter ion of a cationic material that is adsorbed on said at least portion of
7 ~~said selected ones of~~ said fibrillated fibers to form a metal colloidal complex on a
8 portion of a surface of at least some of said activated, carbonized fibrillated fibers.

1 Claim 86 (currently amended) The sheet of claim 85 wherein prior to
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than
3 about 100.

1 Claim 87 (currently amended) The sheet of claim 85 wherein prior to
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than
3 about 45.

1 Claim 88 (currently amended) The sheet of claim 85 wherein prior to
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than
3 about 0.

1 Claim 89 (currently amended) The sheet of claim 85 wherein prior to
2 carbonization said fibrillated fibers have a fiber diameter of less than about 250nm.

1 Claim 90 (withdrawn) The sheet of claim 85 further including active agents
2 captured therein.

1 Claim 91 (withdrawn) The sheet of claim 85 further including a catalyst or
2 a catalyst support.

1 Claim 92 (Previously Presented) The sheet of claim 85 wherein said cationic
2 material is selected from the group consisting of a colloid, a charged molecule, and
3 a linear or branched polymer having positively charged atoms along a length of said
4 polymer chain having said counter ion associated therewith.

1 Claim 93-100 (cancel)

1 Claim 101 (currently amended) A sheet comprising activated, carbonized
2 fibrillated lyocell fibers having a microbiological interception enhancing agent on at
3 least a portion of at least some ~~selected ones~~ of said fibrillated fibers, said
4 microbiological interception enhancing agent comprising a biologically active
5 metal precipitated with a counter ion of a cationic material that is adsorbed on said
6 at least portion ~~of said selected ones~~ of said fibrillated fibers to form a metal
7 colloidal complex on a portion of a surface of at least some of said activated,
8 carbonized fibrillated fibers.

1 Claim 102 (currently amended) The sheet of claim 101 wherein prior to
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than
3 about 100.

1 Claim 103 (currently amended) The sheet of claim 101 wherein prior to
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than
3 about 45.

1 Claim 104 (currently amended) The sheet of claim 101 wherein prior to
2 carbonization said fibrillated fibers have a Canadian Standard Freeness of less than
3 about 0.

1 Claim 105 (currently amended) The sheet of claim 101 wherein prior to
2 carbonization said fibrillated fibers have a fiber diameter of less than about 250nm.

1 Claim 106 (withdrawn) The sheet of claim 101 further including active agents
2 captured therein.

1 Claim 107 (withdrawn) The sheet of claim 101 further including a catalyst or a
2 catalyst support.

1 Claim 108 (Previously Presented) The sheet of claim 101 wherein said cationic
2 material is selected from the group consisting of a colloid, a charged molecule, and
3 a linear or branched polymer having positively charged atoms along a length of said
4 polymer chain having said counter ion associated therewith.